

Synthetic biology

a survey by the Uppsala iGEM team of 2015.

Who are you?

1. Which country are you from?

Mark only one oval.

☐ Sweden

☐ Other:

2. Gender

Mark only one oval.

☐ Male

☐ Female

☐ Other

3. What is your age?

Mark only one oval.

☐ 0-19

☐ 20-29

☐ 30-44

☐ 45-60

☐ 60+

4. What is your occupation?

Mark only one oval.

☐ Student (up to upper secondary school)

☐ Student (in higher education)

☐ Working

☐ Other

Your knowledge of synthetic biology

Synthetic biology is the engineering of biology. The goal is to design new biological systems and functions that doesn't exist naturally.

5. How familiar are you with the term synthetic biology?*Mark only one oval.*

	1	2	3	4	5	
Not familiar	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very familiar

6. What is your main source of information about synthetic biology?*Mark only one oval.*

- ☐ Education (up to upper secondary school/ high school)
- ☐ Higher education
- ☐ Friends/ Family
- ☐ Media
- ☐ Social media
- ☐ Other:

7. What is your opinion on synthetic biology?*Mark only one oval.*

	1	2	3	4	5	
Very bad	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very good

8. How familiar are you with the term GMO (genetically modified organism)?*Mark only one oval.*

	1	2	3	4	5	
Not familiar	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very familiar

9. What is your main source of information about GMO?*Mark only one oval.*

- ☐ Education (up to upper secondary school)
- ☐ Higher education
- ☐ Friends/ Family
- ☐ Media
- ☐ Social media
- ☐ Other:

10. What is your opinion on GMO?*Mark only one oval.*

	1	2	3	4	5	
Very bad	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very good

Where do you stand in these questions?

11. In which fields would you approve the use of synthetic biology?

Check all that apply.

- ☐ Medicine
- ☐ Food industry
- ☐ Environmental remediation
- ☐ Biological warfare
- ☐ None of the above
- ☐ Other:

12. Which of the following organisms would you approve genetic modification of?

Check all that apply.

- ☐ Bacteria
- ☐ Plants
- ☐ Animals
- ☐ Humans
- ☐ None of the above

13. In what environment do you approve the use of synthetic biology?

Check all that apply.

- ☐ In laboratory environment
- ☐ Outside the laboratory
- ☐ None of the above
- ☐ Other:

Specific questions regarding the Uppsala iGEM team project

The goal for our project is to modify bacteria to develop a method for degradation and detection of the carcinogenic substances PAH:s (polycyclic aromatic hydrocarbons). These substances are formed in industry during incomplete combustion or pyrolysis of organic materials such as fuel, wood, waste, polypropylene, polystyrene and petroleum products. Industries that use coal tar, coke or asphalt are also contributing to the pollution. Moreover, PAH:s are dominant in petrol leakages.

14. What is your opinion on our project?

Mark only one oval.

	1	2	3	4	5	
Very bad	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very good

15. Would you approve the use of our project?*Check all that apply.*

- ☐ Yes, in laboratory environments
- ☐ Yes, outside the laboratory/ in nature
- ☐ No

Thank you very much for taking the time to answer this survey!

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